






**IDENTIFICATION OF COMPOUND FOR SUPPRESSING ULCERATIVE LESION**

**Patent number:** JP11094823  
**Publication date:** 1999-04-09  
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**Classification:**  
**- international:** C12Q1/26; C12Q1/44; C12Q1/533; G01N33/50;  
C12Q1/26; C12Q1/44; C12Q1/533; G01N33/50; (IPC1-  
7): G01N33/15; A61K45/00; C12N9/99; G01N33/53;  
G01N33/574  
**- european:** C12Q1/26; C12Q1/44; C12Q1/533; G01N33/50D2B  
**Application number:** JP19980150033 19980529  
**Priority number(s):** US19970866027 19970530; US19980046739 19980324

**Also published as:**

 EP0881300 (A2)  
 TR9800960 (A2)  
 JP2000198746 (A)  
 JP2000028601 (A)  
 EP0881300 (A3)

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**PROBLEM TO BE SOLVED:** To evaluate the latent capacity of the treatment of oncosis in vitro by measuring the cyclooxygenase (COX) inhibition activity, phosphodiesterase type 5 isoenzyme (PDE 5) inhibition activity, ulcer cell growth suppressing action and apoptosis inducing action of an examined compd. **SOLUTION:** The screening of a compd. with respect to the capacity safely treating and preventing oncosis like a precancerous lesion is performed by measuring COX inhibition activity obtained by measuring the secretion of prostaglandin E2 from a predetermined cell, PDE 5 inhibition activity measured by a method using 3H labelled c-GMP as an enzyme substrate, tumor cell growth suppressing action measured by cell inhibition data to an established cell line of a predetermined tumor and apoptosis inducing action measured by treating cultured matter of predetermined tumor cells to label the same with a dye to observe the labelled culture matter by a fluorescence microscope. A compd. exhibiting PDE 5 inhibition activity, tumor cell growth suppression and apoptosis induction and having no COX inhibition activity is selected.

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